

IN THE CLAIMS

Please cancel claim 10 without prejudice.

Please amend claims 4-9 as follows:

1. (original) A method for treating a patient having epilepsy which manifests in the form of an intractable focal seizure, said method comprising the steps of:

locating a focal site that is the source of said intractable focal seizure, said focal site being located on a brain's neocortical surface;

establishing direct physical contact between said focal site and a cooling means;
and

activating said cooling means and cooling said focal site to abort the intractable focal seizure.

2. (original) A method according to claim 1, where said focal site is determined by a cortical mapping process.

3. (original) A method according to any one of claims 1-2, wherein the mapping process is accomplished by establishing physical contact between a focal site and a cooling means and activating said cooling means to cool said focal site and confirm or eliminate said site as a seizure origin site.

4. (currently amended) A method according to any of claims 1-32, wherein said activation of cooling device is manual.

Ar 5. (currently amended) A method according to any one of claims 1-42, wherein said cooling device is a Peltier chip.

6. (currently amended) A method according to any one of claims 1-5~~2~~, wherein said focal site is rapidly cooled to a temperature between about 20°C to about 30°C. (~~see Art. 3, Pg 3, Ln 10~~)

7. (currently amended) A method according to any on of claims 1-6~~2~~, wherein said focal site temperature is decreased between 6°C to about 16°C.

A2 8. (currently amended) A method according to any one of claims 1-7~~2~~, wherein said activating step is performed at a frequency and duration so that said intractable focal seizure is reduced.

9. (currently amended) A method according to any one of claims 1-8~~2~~, wherein said activation of the cooling device is determined by a seizure detection or anticipation algorithm.

10. (canceled) A method for treating a patient having epilepsy which manifests in the form of an intractable focal seizure, said method comprising the steps of;

locating a focal site that is the source of said intractable focal seizure, said focal site being located on a brain's neocortical surface;

establishing direct physical contact between said focal site and a cooling means;
and

activating said cooling means and cooling said focal site to rapidly abort the intractable focal seizure.

11. (original) A system for treating a patient having epilepsy which manifests in the form of an intractable focal seizure, wherein a focal site that is the source of said intractable focal seizure has been located, said focal site being located on a brain's neocortical surface, said system comprising:

cooling means;

means for establishing direct physical contact between said focal site and said cooling means; and

means for activating said cooling means and cooling said focal site to abort the intractable focal seizure.

12. (original) The system of claim 11 wherein the cooling means comprises a Peltier chip.